

DOCKET NO: C01040.70010.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Serial No:

Confirmation No:

Filed:

For:

Heather L. Davis et al.
09/768,012
9273
January 22, 2001
IMMUNOSTIMULATORY NUCLEIC ACIDS FOR CHICENTER 1600/2900

Examiner:

Art Unit:

1632

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP RCE, Commissioner for Patents, P.O. Box 1450.

Alexandria, VA 22313-1450, on the 5TH day of August, 2003.

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. No fee or certification is required.

PART III: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

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The Applicant would like to bring to the Examiner's attention the following copending

applications that may contain subject matter related to this application:

Docket Number	Serial Number	Filing Date	Inventor(s)
C01037.70021.US	09/949,194	9/7/01	Peterson et al.
C01037.70025.US	10/017,995	12/14/01	Bratzler
C01037.70041.US	TBD	7/3/03	Krieg
C01037.70042.US	TBD	7/3/03	Krieg
C01037.70043.US	TBD	7/3/03	Krieg
C01037.70044.US	TBD	7/3/03	Krieg
C01037.70045.US	TBD	7/3/03	Krieg
C01037.70046.US	TBD	6/5/03	Krieg
C01039.70053.US	09/931,583	8/16/01	Krieg et al.
C01039.70057.US	09/965,101	9/26/01	Davis et al.
C01039.70058.US	10/023,909	12/18/01	Davis et al.
C01039.70060.US	10/112,653	3/29/02	Krieg et al.
C01039.70061.US	10/161,229	6/3/02	Krieg et al.
C01039.70062.US	10/187,489	7/2/02	Krieg et al.
C01039.70063.US	10/224,523	8/19/02	Krieg et al.
C01039.70065.US	10/272,502	10/15/02	Krieg et al.
C01039.70067.US	10/300,247	11/20/02	Davis et al.
C01039.70068.US	10/306,522	11/27/02	Krieg et al.
C01039.70069.US	10/314,578	12/9/02	Krieg et al.
C01039.70070.US	10/382,822	3/6/03	Krieg et al.
C01039.70071.US	10/435,656	5/9/03	Krieg et al
C01039.70072.US	10/434,696	5/9/03	Davis et al.
C01039.70075.US	TBD	7/3/03	Krieg et al
C01039.70077.US	TBD	7/14/03	Krieg
C01039.70078.US	TBD	7/25/03	Krieg et al.
C01039.70079.US	TBD	7/25/03	Krieg et al.
C01039.70080.US	TBD	7/30/03	Krieg et al
C01041.70016.US	09/954,987	9/17/01	Bauer et al.
C01041.70019.US	10/140,013	5/6/02	Schetter et al.
C01041.70029.US	10/212,133	8/1/02	Lipford et al.
C01041.70031.US	10/265,072	10/5/02	Lipford
C01041.70035.US	10/373,381	2/24/03	Wagner et al.
C01041.70037.US	10/407,952	4/4/03	Wagner et al.

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PART IV: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

The following are remarks concerning the other information cited:

PART V: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

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An early and favorable action is hereby requested.

Respectfully submitted,

Heather L. Davis et al., Applicants

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Boston, Massachusetts 02210-2211

Telephone: (617) 720-3500

Docket No. C01040.70010.US

Date: August 5, 2003

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APA 249/A and B (Modified)	APPLICATION NO	.: 09/768,012	ATTY. DOCKET NO.: C01040.70010.US
INFORMATION DISCLOSURE	FILING DATE: January 22, 2001 CONFIRMAT		CONFIRMATION NO.: 9273
STATEMENT BY APPLICANT	APPLICANT:	Heather L. Davis e	tal. REOF
Sheet . 1 of 2	GROUP ART UNIT	1632	EXAMINER: Disguyen VED
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Examiner's Cite U.S. Patent Do Number	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Polifornon or of issu of Cited Boardent MM-DD-YYYY	
	Number	Kind Code	Document	of Cited Document MM-DD-YYYY		
	A33	5,268,365		Rudolph et al.	12-07-1993	
	A34	5,488,039		Masor et al.	01-30-1996	
	A35	5,492,899		Masor et al.	02-20-1996	
	A36	5,591,721		Agrawal et al.	01-07-1997	
	A37	5,602,109		Masor et al.	02-11-1997	
	A38	5,612,060		Alexander	03-18-1997	
_	A39	5,700,590		Masor et al.	12-23-1997	
	A40	5,786,189		Locht et al.	07-28-1998	
	A41	6,339,068		Davis et al.	01-15-2002	
	A42	6,429,199		Krieg et al.	08-06-2002	
	A43	6,406,705		Davis et al.	06-18-2002	

FOREIGN PATENT DOCUMENTS

Examiner's	Cite	For	reign Patent Docur	nent	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
Inițials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N)
	B47	WO	00/03683		Inex Pharmaceuticals Corporation	01-27-2000	
	B48	WO	99/55743		Inex Pharmaceuticals Corporation	11-04-1999	
	B49	WO	98/51278	Ţ" <u> </u>	Inex Pharmaceuticals Corporation	11-19-1998	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation
Initials	No	(book, magazine, journal, scrial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s).	(Y/N)
		publisher, city and/or country where published.	
•	C86	Agrawal, Tibtech, 14:376-387, 1996	
	<u> </u>		
	C87	Bates et al., J. Bio. Chem., 274(37):26369-26377, 1999	
	C88	Boggs, et al. Antisense Nucleic Acid Drug Dev, 7(5)461-471, 1997	
	C89	Carter et al., Int. J. Immunopharmae., 13(1):69-76, 1991	
	C90	Chace et al., Clinical Immunology and Immunopathology, 68(3):327-332, 1993	-

EXAMINER	DATE CONSIDERED

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ____ . filed ____ , and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



d B (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 09/768,012

ATTY. DOCKET NO.: C01040,70010.US

FILING DATE:

January 22, 2001

CONFIRMATION NO.: 9273

APPLICANT:

Heather L. Davis et al.

Sheet 2 2

GROUP ART UNIT: 1632

	C91	Daheshia et al., Vaccine, 16(11/12):1103-1110, 1998	1 2 32
	C92	Diamanststein CFAP	<0//>//Y
	C93	Ewel et al., Cancer Res., 52(11):3005-3010, 1992	A 1600
	C94	Fynan et al. <i>Proc Natl Acad Sci USA</i> , 90(24):11478-11482, 1993	ER 1600, 250
	C95	Gao et al., Mol PHarmacol, 41:223-229, 1992	
	C96	Hadden et al., JAMA 268(20):2964-2969	
	C97	Hartmann, Antisense & Nuc. Acid Drug Dev., 6:291-299, 1996	
	C98 C99	Hatzfeld, J. J Exp Med 174:925-929, 1991 Hefeneider, Clin. Immunol. and Immunopath., 63(3):245-251, 1992	
	C100	Hughes, Antisense Res. & Dev., 4:211-215, 1994	
	C100	Ishikawa, et al., J. Immunol, 150(9):3713-3727, 1993	
ļ	C101	Iverson et al., Antisense Research and Development, 4:43-52, 1994	
	C102	Johnson, Immunophar & Infectious Diseases, 291-301, 1987	
	C104		
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	C106		
	C107	Khan, Surgery, 118:531-538, 1995	
	C108	Krown, S.E., Semin Oncol., 13(2):207-217, 1986	
	C109		
	C110	Kuramoto et al., Microbiol. Immunol., 33(11)929-940, 1989	
	C111	Kuramoto et al., Int. Immuno-pharmacol., 14(5):773-782, 1992	
	C112	Lacour, et al., J. Biol. Resp. Mod., 4:538-543, 1985	
	C113	Levine et al., Cancer Treat. Rep., 62(11):1907-1913, 1978	
	C114	Levy et al., J. Inf. Disease, 133(Supp):A256-A259, 1976	
	C115	Lowell, et al., J. of Infec. Disease, 175:292-301, 1997	
	C116	Mashiba, et al., Jpn. J. Med. Sci. Biol., 41:197-202, 1988	
	C117	Michelson et al., Proc. Soc. Exper. Biol. and Med., 179:180-186, 1985	
	C118	Park et al. J. Immunopharm, 17(6):513-515, 1995	
	C119	Pisetsky, Antisense Research and Development, 5(3):219-225 (1995)	
	C120	Stull et al., Pharmaceutical Res., 12(4):465-483, 1995	
	C121	Threadgill, et al., Vaccine, 16(1):76-82, 1998	
	C122	Tursz et al., Immuno. Prosepects of Infectious Diseses, 263-272, 1990	
	C123	Uhlmann et al., Chemical Reviews, 90(4):543-584, 1990	
	C124	Wiltrout, et al., J. Biol. Resp. Mod., 4(5):512-7, 1985	
	C125	Xin, et al., Immunology, 94:438-444, 1998	

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449/A and B (Modified)

APPLICATION NO.: 09/768,012

ATTY. DOCKET NO.: C01040.70010.US

INFORMATION DISCLOSURE		FILING I	DATE: January 22, 2001	CONFIRMATION NO.: 9273		
STAT	STATEMENT BY APPLICANT Sheet 1 of 2		APPLICA	ANT: Heather L. Davis et	al. IECEIVA	
Sheet			GROUP.	ART UNIT: 1632	EXAMINER: D.46guyen	
				U.S. PA	TENT DOCUMENTS	CENTER 1600/2000
Examiner's	Cite	U.S. Patent Document		ent	Name of Patentee or Applicar	nt of Cited Date of Publication or of issue
Initials	No. Number		Kind Code	Document	of Cited Document MM-DD-YYYY	
•	A33	5,268,365			Rudolph et al.	12-07-1993
	A34	5,488,039			Masor et al.	01-30-1996
•	A35	5,492,899)		Masor et al.	02-20-1996
	A36	5,591,721			Agrawal et al.	01-07-1997
	A37	5,602,109)		Masor et al.	02-11-1997
	A38	5,612,060)		Alexander	03-18-1997
	A39	5,700,590)		Masor et al.	12-23-1997
	A40	5,786,189)		Locht et al.	07-28-1998
	A41	6,339,068	3		Davis et al.	01-15-2002
	A42	6,429,199)		Krieg et al.	08-06-2002
	A43	6,406,705	5		Davis et al.	06-18-2002

FOREIGN PATENT DOCUMENTS

Examiner's	Cite	For	reign Patent Docur	nent	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
Initials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N)
	B47	WO	00/03683		Inex Pharmaceuticals Corporation	01-27-2000	
	B48	WO	99/55743		Inex Pharmaceuticals Corporation	11-04-1999	
	B49	WO	98/51278		Inex Pharmaceuticals Corporation	11-19-1998	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation
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	ļ	publisher, city and/or country where published.	
	C86	Agrawal, Tibtech, 14:376-387, 1996	
h,	C87	Bates et al., J. Bio. Chem., 274(37):26369-26377, 1999	
	C88	Boggs, et al. Antisense Nucleic Acid Drug Dev, 7(5)461-471, 1997	
	C89	Carter et al., Int. J. Immunopharmae., 13(1):69-76, 1991	
	C90	Chace et al., Clinical Immunology and Immunopathology, 68(3):327-332, 1993	-

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FORM 1 10 1449/A and B (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 09/768,012

GROUP ART UNIT: 1632

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ATTY. DOCATE 10: 001040 20010.US

FILING DATE:

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CONFIRMATION NO.: 927

APPLICANT:

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Sheet of Daheshia et al., Vaccine, 16(11/12):1103-1110, 1998 C92 Diamanststein C93 Ewel et al., Cancer Res., 52(11):3005-3010, 1992 C94 Fynan et al. Proc Natl Acad Sci USA, 90(24):11478-11482, 1993 Gao et al., Mol PHarmacol, 41:223-229, 1992 C95 C96 Hadden et al., JAMA 268(20):2964-2969 C97 Hartmann, Antisense & Nuc. Acid Drug Dev., 6:291-299, 1996 C98 Hatzfeld, J. J Exp Med 174:925-929, 1991 Hefeneider, Clin. Immunol. and Immunopath., 63(3):245-251, 1992 C99 C100 Hughes, Antisense Res. & Dev., 4:211-215, 1994 Ishikawa, et al., J. Immunol, 150(9):3713-3727, 1993 C101 C102 Iverson et al., Antisense Research and Development, 4:43-52, 1994 C103 Johnson, Immunophar & Infectious Diseases, 291-301, 1987 C104 Karlin et al., J of Virol, 2889-2897, 1994 C105 Kataoka, et al., Jpn J. Med Sci. Bio, 43:171-182, 1990 C106 Kern et al., Antimicrob. Agents & Chemo., 7(6):721-876(1975) C107 Khan, Surgery, 118:531-538, 1995 C108 Krown, S.E., Semin Oncol., 13(2):207-217, 1986 C109 Kuramoto et al, Jpn. J. Cncer Res., 83:1128-1131, 1992 C110 Kuramoto et al., Microbiol. Immunol., 33(11)929-940, 1989 C111 Kuramoto et al., Int. Immuno-pharmacol., 14(5):773-782, 1992 C112 Lacour, et al., J. Biol. Resp. Mod., 4:538-543, 1985 C113 Levine et al., Cancer Treat. Rep., 62(11):1907-1913, 1978 C114 Levy et al., J. Inf. Disease, 133(Supp):A256-A259, 1976 C115 Lowell, et al., J. of Infec. Disease, 175:292-301, 1997 C116 Mashiba, et al., Jpn. J. Med. Sci. Biol., 41:197-202, 1988 C117 Michelson et al., Proc. Soc. Exper. Biol. and Med., 179:180-186, 1985 C118 Park et al. J. Immunopharm, 17(6):513-515, 1995 C119 Pisetsky, Antisense Research and Development, 5(3):219-225 (1995) C120 Stull et al., Pharmaceutical Res., 12(4):465-483, 1995 C121 Threadgill, et al., Vaccine, 16(1):76-82, 1998 C122 Tursz et al., Immuno. Prosepects of Infectious Diseses, 263-272, 1990 C123 Uhlmann et al., Chemical Reviews, 90(4):543-584, 1990 C124 Wiltrout, et al., J. Biol. Resp. Mod., 4(5):512-7, 1985 C125 Xin, et al., Immunology, 94:438-444, 1998

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